

KLEENKOIL

MSDS Number

BBGCV

National Stock Number

6850-00F000210

Product Name

KLEENKOIL

Manufacturer

CLAYTON INDUSTRIES

Product Identification

Product ID: KLEENKOIL
MSDS Date: 03/23/1987
FSC: 6850
NIIN: 00F000210
MSDS Number: BBGCV

Responsible Party

CLAYTON INDUSTRIES
4213 N TEMPLE CITY BLVD
EL MONTE , CA 91734-1530
US

Emergency Phone: 213-443-9381/818-443-9381

Info Phone: 213-443-9381/818-443-9381

Cage: 12736

Contractor

CLAYTON INDUSTRIES
5530
EL MONTE, CA 91731-1030
US
818-443-9381
Cage: 12736

Ingredients

FORMALDEHYDE, REACTION PRODUCTS PRODUCTS W/O-TOLUIDINE

CAS: 68411-63-2

Fraction By Weight:

HYDROCHLORIC ACID, HYDROGEN CHLORIDE, MURIATIC ACID

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight:

OSHA PEL5 PPM

ACGIH TLV: C 11 MG/CUM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

PROPARGYL ALCOHOL

CAS: 107-19-7

RTECS: UK5075000

Fraction By Weight:

ACGIH TLV: 2.3 MG/CUM (SKIN)

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

TRIPHENYLSULFONIUM CHLORIDE *93-4*

CAS: 4270-70-6

Fraction By Weight:

FORMALDEHYDE, FORMALIN (SUSPECTED HUMAN CARCINOGEN BY

CAS: 50-00-0

RTECS: LP8925000

Fraction By Weight:

ACGIH TLV: 0.37 MG/CUM IC (2A)

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50 (RABBIT): 900 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:INHALATION: SEVERE IRRITATION, ULCERATION OF THE NOSE, THROAT & LARYNX, PULMONARY EDEMA, DEATH.

CHRONIC: RESPIRATORY TRACT DAMAGE & EROSION OF THE TEETH.

INGESTION: SEVERE BURNS TO THE MUCOUS MEMBRANE S, DEATH. CHRONIC:

GI INFLAMMATION, SEVERE BURNS. SKIN: CORROSIVE. CHRONIC: BURNS,

DESTROY SURROUNDING TISSUE, (SEE SUPP)

Explanation of Carcinogenicity:SEE INGREDIENTS

Effects of Overexposure:SWELLING, BREATHING DIFFICULTIES, COUGH, CHOKING SENSATION, CHEST TIGHTNESS, BURNING, PHOTOSENSITIZATION, ITCHING, DRYING, REDNESS, NAUSEA, DIARRHEA, INTENSE THIRST, VOMITING, COLLAPSE & SEVERE ABDOMINAL PAINS & INFLAMMATION.

Medical Condition Aggravated by Exposure:SKIN & RESPIRATORY DISEASES.

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY. SKIN: WASH W/PLENTY OF WATER FOR 15 MINS. INGESTION: DON'T INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER IF CONSCIOUS. IF VOMITING OCCURS, KEEP AIRWAY CLEAR. EYES: FLUSH W/WATER FOR 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point:NON-COMBUSTIBLE

Extinguishing Media:WATER SPRAY, FOAM, CO2, DRY CHEMICAL

Fire Fighting Procedures:USE NIOSH APPROVED PRESSURE DEMAND, SCBA & PROTECTIVE CLOTHING. EXTINGUISH ALL NEARBY IGNITION SOURCES.

Unusual Fire/Explosion Hazard:CONTACT OF HYDROGEN CHLORITE GAS/LIQUID W/ANY ALKALI/ACTIVE METAL MAY DEVELOP ENOUGH HEAT TO CAUSE FIRE IN ADJACENT COMBUSTIBLE MATERIALS.

Accidental Release

Spill Release Procedures:USE ACID RESISTANT CLOTHES/RESPIRATORY PROTECTION. SMALL: MOP/WIPE UP & DISPOSE IN DOT-APPROVED WASTE CONTAINERS. LARGE: DIKE W/SOIL/OTHER ABSORBENT MATERIAL & CAREFULLY NEUTRALIZE. KEEP NON-NEUTRALIZED MATERIAL OUT OF WATERWAYS &

SOIL.

Neutralizing Agent:SODA ASH, LIME. IF SODA ASH IS USED, PROVIDE ADEQUATE VENTILATION.

Handling

Handling and Storage Precautions:MODERATE HEAT MAY BE GENERATED WHEN PRODUCT IS MIXED W/WATER. NEVER ADD WATER TO PRODUCT, ADD PRODUCT TO WATER, SLOWLY.

Other Precautions:STORE IN A COOL DRY AREA AWAY FROM INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED. PROTECT FROM PHYSICAL DAMAGE. AVOID CONTACT W/EYES, SKIN, CLOTHING & BREATHING OF MISTS/VAPORS. DON'T CUT, GRIND, WELD/ DRILL ON/NEAR ANY CONTAINER.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WHERE GAS, MIST & SPRAY MAY BE GENERATED.

Ventilation:LOCAL EXHAUST: ADEQUATE

Protective Gloves:IMPERVIOUS

Eye Protection:FACE SHIELD, GOGGLES

Other Protective Equipment:ACID RESISTANT PROTECTIVE SUIT W/PANTS, SLEEVES WORN OUTSIDE OF RUBER BOOTS & GLOVES. SHOWERS & EYEWASH FACILITIES.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.WASH THOROUGHLY AFTER HANDLING. DISCARD UNCONTAMINATED FOOTWEAR.

Supplemental Safety and Health

MAT TO AVOID CONT'D: ACID: ALKALI/ACTIVE METALS. HAZARDS CONT'D: DEATH, PRIMARY IRRITANT, PHOTSENSITIZATION. EYES: CORROSIVE, IRRITATION, VISUAL IMPAIRMENT, BLINDNESS. CHRONIC: BURNS.

Chemical Properties

Boiling Pt:B.P. Text:108-212F

Vapor Pres:212

Vapor Density:1.3

Solubility in Water:COMPLETE

Appearance and Odor:BROWN LIQUID, PUNGENT ODOR

Stability

Stability Indicator/Materials to Avoid:YES

ALKALI/ACTIVE METALS, ALKALIS, OXIDIZERS, REDUCERS, CYANIDES, SULFIDES, COMBUSTIBLES, FORMALDEHYDE, HYDROCHLORIC ACID

Stability Condition to Avoid:ADDING WATER DIRECTLY TO PRODUCT.

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS, OXIDES OF NITROGEN & CARBON , HYDROGEN GAS & BIS-CHLOROMETHYL ETHER.

Disposal

Waste Disposal Methods:PACKAGE, STORE, TRANSPORT & DISPOSE OF ALL CLEANUP MATERIALS & ANY CONTAMINATED EQUIPMENT IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. EMPTY CONTAINERS CAN HAVE RESIDUES, GASES & MISTS & ARE SUBJECT TO PROPER WASTE DISPOSAL.

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